

PERMIT APPLICATION NUMBER: NRS#04.058

APPLICANT: Mr. Norman Piper
3939 Glen Echo Lake Road
Ashland City, Tennessee 37015
(615) 299-8001

LOCATION: The proposed project is located northwest of Nashville and southwest of Joelton, on Little Marrowbone Creek, Davidson County, Tennessee.

WATERSHED DESCRIPTION: Little Marrowbone Creek is located within the Cheatham Reservoir Watershed. The immediate area of the project is predominately rural, wooded farmland. The stream is spring fed. The streambed within the lakebed consists of creek gravel and is approximately 6 ft wide and 2 inches deep. The streambed above the lakebed and below the dam is bedrock. Below the dam the stream is approximately 20 ft wide and 0 to 1 inch deep. The vegetation in the sediment filled lakebed consists of approximately 90% fescue grass. The remainder is ragweed and other wild grasses. The lakeside slopes are generally vegetated with a hard wood tree mixture.

DESCRIPTION: The proposed project is to relocate approximately 300 linear feet of stream channel in preparation for removing accumulated sediment from the lakebed. The project plans require that the stream channel be rerouted approximately 70 feet to the north of the existing stream bed to facilitate repairing the existing dam and removing the sediment accumulation. 50 feet of new channel, 8 feet wide will be cut to allow the stream to flow into the existing excavated (the area where part of the sediment was previously removed) area and flow approximately 250 linear feet. There the stream will enter an existing 14-inch culvert flowing through the earthen portion of the dam to enter the reach of the creek below the dam. The dimensions of the previously excavated area are approximately 250 ft X 60 ft. The bottom of the excavated area consists of bedrock with just enough soil to allow grass and weeds to grow during the wet season.

The previous property owner installed a culvert and removed approximately 3,000 cubic yards of sediment. The applicant intends to remove approximately an additional 2,600 cubic yards of sediment. The location of the proposed excavation is directly behind the dam in an area 40 ft X 200 ft. All excavated sediment will be loaded and completely removed by truck from the property.

PERMIT COORDINATOR: Dorsey Horne, STATE OF TENNESSEE, Department of Environment and Conservation, Division of Water Pollution Control, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS QUAD: FOREST GROVE, TENNESSEE 307-SW







